

ROMANIA
'VASILE ALECSANDRI' UNIVERSITY OF BACAU
Faculty of Engineering
Calea Mărășești, Nr. 157, Bacău, 600115, Tel./Fax +40 234 580170
<http://ub.ro/inginerie>; e-mail: decaning@ub.ro

Field: Industrial engineering
Study program: Management of industrial products manufacturing

2023-2024 academic year

CURRICULUM
1st year of study

| No | Subject | Number of ECTS credits | Examination form | Semester |
|-----|--|------------------------|------------------|----------|
| 1. | Modeling and simulation of industrial processes | 6 | W | 1 |
| 2. | Experimental data processing | 6 | W | 1 |
| 3. | Organization and planning of research and development activities | 8 | W | 1 |
| 4. | Superior utilization of resources | 8 | W | 1 |
| 5. | Ethics and academic integrity | 2 | O | 1 |
| 6. | Product and process innovation management | 6 | W | 2 |
| 7. | Advanced non-conventional manufacturing technologies | 6 | W | 2 |
| 8. | Computer-assisted management of industrial units | 5 | W | 2 |
| 9. | Computer-aided manufacturing | 5 | W | 2 |
| 10. | Applied research project 1 | 4 | P | 2 |
| 11 | Research practice (90h) | 4 | O | 2 |

W- written exam

P/F – pass/fail

P – partial exam



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2nd year of study

| No | Subject | Number of ECTS credits | Examination form | Semester |
|----|--|------------------------|------------------|----------|
| 1. | Product and process quality planning and control | 6 | W | 1 |
| 2. | Maintainability and product withdrawal | 7 | W | 1 |
| 3. | Modern concepts applied in the design of industrial products | 5 | W | 1 |
| 4. | Virtual manufacturing | 6 | W | 1 |
| 5. | Cybernetic resilience | 2 | O | 1 |
| 6. | Applicative research project 2 | 4 | P | 1 |
| 7. | Research and design | 10 | P | 2 |
| 8. | Training for Master's degree final project preparation | 10 | P/F | 2 |
| 9. | Master's degree final project preparation | 10 | P | 2 |

W- written exam

P/F – pass/fail

P – partial exam

Dean
Assoc. Prof. Ph.D. Eng.
Mirela Panainte-Lehăduș

Programme coordinator
Prof. Ph.D.Eng. Carol
Schnakovsky

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